

# RHIC BPM Meeting

## August 28, 2008

### Minutes

Attendees: Phil Cerniglia, Chris Degen, Justin Gullotta, Rob Michnoff, Michiko Minty, Tom Russo, Todd Satogata

1. Some specific details discussed and reported include:
  - The order for 40 feedthroughs is expected to be received by the end of this week or early next week. Installation is expected to begin as soon as possible.
  - Todd completed the analysis of profile data sets taken with beam to identify cable mismatch errors. A substantial list of mismatch errors was generated. Ron has performed TDRs and found several problems including additional bad feedthroughs, cable connector problems, and suspected pinched cables. Three cables were identified that require replacing.
  - Discussed data integrity check design details. This topic will require ongoing discussion.
  - Installation of modules in the ring is complete. Testing is required in 1002A and 1004B. Some spare modules are available.

2. Upcoming efforts

Some specific work expected to be performed over the next few weeks includes:

- a. Continue wire scanning tests (Reid)
- b. Ensure that sufficient quantity of spare modules is available (Justin, Phil)
- c. Additional temperature tests and associated documentation (Justin)
- d. Archive Altera gate array files in drafting area. (Justin)
- e. Required DSP code modifications/enhancements. (Justin)
- f. Continue developing detailed design plans for incorporating data quality checks. (Rob, Todd, Michiko)
- g. Feedthrough replacements, and bad cable repair/replacement. (Phil, Tony, Ron)
- h. Develop list of cable and feedthrough issues, and specific corrections made. (Phil)
- i. Automatic timing calibration design and development (Some specific details are provided in July 24, 2008 meeting minutes)
- j. Plus additional work shown on the schedule

3. Other efforts

- a. Identify the cause of measurement differences between the internal and external signals.